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oeuvres/works/opere -----

Three Pieces for Three Winds (flute, clarinet,
flugelhorn), 1974, 10 min.
composition aided by program MUSC, printing
by programs JANUS and SMUT

MCC
MPrC

programmes/programs/programmi -----

SMUT 1.2 in FORTRAN IV (almost completely ANSI
standard). System for Music Transcription:
a music printing program, more fully automated
than most. Source program, description
(from Computers and the Humanities, Vol. 8 no. 3)
and User's Guide available.

MPrC

JANUS 2.1 in FORTRAN IV (almost totally ANSI
standard). Interfaces MUSIC V-type note cards,
perhaps from a composing program, to SMUT,
automatically fitting rhythm to conventional nota-
tion, generating a graphic score, etc.
Source program and User's Guide available.

MPrC
MCC

MUSC 1.2B in ALGOL-60, CDC 6000 or 7600 or CYBER,
or ALGOL-W, IBM 360 or 370. 12-tone music
composing program that produces output compatible
with MUSIC V and JANUS/SMUT. Source program and
User's Guide available.

MCC

Eight other music-related programs, by D.Byrd
and others, are available

MCC MEK
CAMA MPeC
MPrC

textes/writings/testi -----

BYRD, Donald, TRANSCRIPTION BY PLOTTER,
Random Bits (Indiana U.) 5,9 (May 1970), pp 1,6-8

MPrC

BYRD, Donald, A SYSTEM FOR MUSIC PRINTING BY
COMPUTER, Computers and the Humanities 8,3
(May 1974), pp. 161-172

MPrC

BYRD, Donald, THEY LAUGHED WHEN I SAT DOWN AT THE
COMPUTER -- A Short History of Computer Music,
Random Bits 10,3 (1974), pp. 2, 3, 7.

GMT

activités/activity/attività -----

Working on version 1.2 of SMUT, music printing
program, and planning a major revision to
enable it to handle polyphony. SMUT is intended
primarily to print the output from composing
programs, and with JANUS interface program
constitutes a most automatic system.

MPrC

Working with Gary WITTLICH of the Indiana University
School of Music on a musical keyboard input
system to allow building up a data base of music
for analysis.

MEA

Composing (with MUSC) a piece for solo string
bass.

MCC

One of his interests for many years has been
building a complete and portable computer music
system -- including composition, sound synthesis,
printing, and analysis programs, each capable of
communicating with the others. It is important
that this system be portable so that people with
other hardware won't have to do a lot of busy
work. This system is portable for medium- and
large-scale computers: no real-time or interactive
programs.

GMT

biographie/biography/biografia -----

- 1946 born in Chicago, Illinois
1964-68 studied composition at Indiana University with Bernhard Heiden and Roque Cordero (B.M., 1968)
1969-72 worked as a programmer for Indiana Univ. and for Iannis Xenakis
1973-75 studied computer science at Indiana U. (M.S., 1975)
Been active in computer applications to music since 1968.

6/75